

Table S1. *Summary of field sites in 2005.* Sites are arranged from east to west. The percentage of plants infected or infested by the three natural enemies is listed, as well as the total number of plants in the transect(s) at the site; a plant could be counted in more than one category. Habitat categories include U (upland; variety of habitats that did not appear to flood regularly) and L (lowland; habitats that that appeared to flood regularly). Cover measures the extent of understory vegetation (O = open cover; *C. blanda* plants not covered in vegetation, I = intermediate, and D = dense cover; *C. blanda* plants hidden in dense vegetation). Plant density refers to the mean density of plants in occupied 2m x 1m segments of the 30m transects. Geographic variables for each site include latitude and longitude, longterm average annual rainfall (mm), and percent forest cover for a circular area with a radius of 200m centered on the site; see text for details.

Site	Density	%Smut	% Seed Predator	%Rust	Total	Habitat	Cover	Latitude (N)	Longitude (W)	Rainfall	% Forest
1	3.37	19	3	36	64	U	I	37° 57' 57"	96° 50' 57"	100.3	94.7
2	3.20	2	33	2	64	U	D	37° 49' 58"	96° 48' 32"	100.3	37.5
3	3.73	12	13	7	82	U	D	37° 38' 48"	97° 26' 44"	91.54	97.9
4	1.45	38	11	11	61	U	O	37° 41' 38"	97° 28' 5"	91.54	100.0
5	10.15	1	2	32	132	U	D	38° 48' 37"	95° 11' 25"	97.23	97.1
6	7.25	20	2	7	203	U	I	39° 2' 27"	95° 12' 0"	97.23	47.1

7	4.52	17	11	16	104	U	I	38° 48' 42"	95° 10' 27"	97.23	9.3
8	1.97	8	5	17	77	U	I	39° 2' 39"	95° 12' 13"	94.23	66.7
9	6.23	3	2	16	193	U	I	39° 12' 58"	95° 25' 16"	97.66	90.6
10	1.93	26	6	15	54	U	D	38° 55' 45"	95° 26' 9"	94.23	85
11	2.66	43	4	47	93	U	I	38° 53' 34"	95° 22' 28"	82.58	7.1
12	4.92	75	28	27	64	U	D	39° 6' 15"	96° 35' 39"	82.58	26.4
13	5.68	0	2	9	108	U	I	39° 5' 2"	96° 45' 44"	86	3.6
14	7.32	0	3	16	205	L	I	38° 58' 18"	95° 12' 52"	81.92	2.9
15	2.65	12	7	35	82	U	O	39° 11' 28"	99° 4' 33"	81.13	50
16	3.69	38	8	27	96	L	D	39° 10' 32"	98° 59' 47"	81.13	21.3
17	19.36	0	0	0	213	L	O	39° 9' 48"	99° 1' 18"	83.39	0
18	5.06	38	10	6	86	U	I	39° 6' 59"	96° 53' 5"	76.02	0.7
19	4.19	15	16	23	88	U	I	39° 7' 55"	98° 23' 19"	76.02	0
20	9.68	1	1	46	184	L	D	39° 1' 53"	97° 2' 23"	77.14	10
21	3.73	0	0	57	56	U	I	39° 7' 2"	97° 42' 34"	81.05	7.9
22	11.07	0	0	0	155	L	O	39° 21' 53"	97° 38' 57"	84.48	0

23	7.62	40	3	42	99	L	I	38° 40' 36"	97° 59' 35"	76.99	31.2
24	5.15	36	6	22	67	U	I	39° 23' 37"	98° 20' 58"	70.41	20.1
25	5.26	2	1	13	100	L	I	39° 54' 28"	97° 51' 33"	70.18	22.3
26	4.43	0	6	43	124	U	O	38° 0' 34"	97° 30' 22"	67.62	26.6
27	3.19	2	6	4	51	L	I	37° 10' 25"	97° 12' 31"	64.82	7.1
28	2.27	12	7	27	75	U	I	37° 12' 58"	97° 31' 46"	64.82	2.9
29	9.64	0	27	41	106	U	I	38° 21' 36"	94° 40' 25"	64.19	33.1
30	7.36	0	2	13	103	U	I	38° 24' 55"	94° 47' 48"	64.19	1.4
31	3.04	0	14	3	79	L	I	38° 28' 24"	97° 28' 18"	64.19	20.7